

PROPOSED BRIDGE CONSISTS OF

- 1 - 65'-0" TYPE III PSC BEAM SPAN ----- SPECIAL DESIGN
- 2 - PILE END BENTS ----- SPECIAL DESIGN
- 24" TYPE 3 RIP RAP

TRAFFIC DATA

- TRAFFIC ----- ADT: 350 (ASSUMED)
- DESIGN SPEED ----- 25 MPH

DESIGN DATA

- SPECIFICATIONS ----- AASHTO LRFD 9TH EDITION, 2020
- DESIGN VEHICLE ----- HL-93
- FUTURE PAVING ALLOWANCE ----- 30 LBS PER SQ FT

DRAINAGE DATA

DRAINAGE AREA ----- 0.19 SQ MI

FLOOD FREQUENCY	DISCHARGE THRU BRIDGE	MEAN VELOCITY THRU BRIDGE	AREA OF OPENING UNDER FLOODSTAGE	BACKWATER
50 YEAR	466 CFS	6.09 FPS	77 SQ FT	0.00 FT
100 YEAR	540 CFS	6.28 FPS	86 SQ FT	0.00 FT
500 YEAR	700 CFS	6.47 FPS	108 SQ FT	0.00 FT

EXISTING UTILITIES

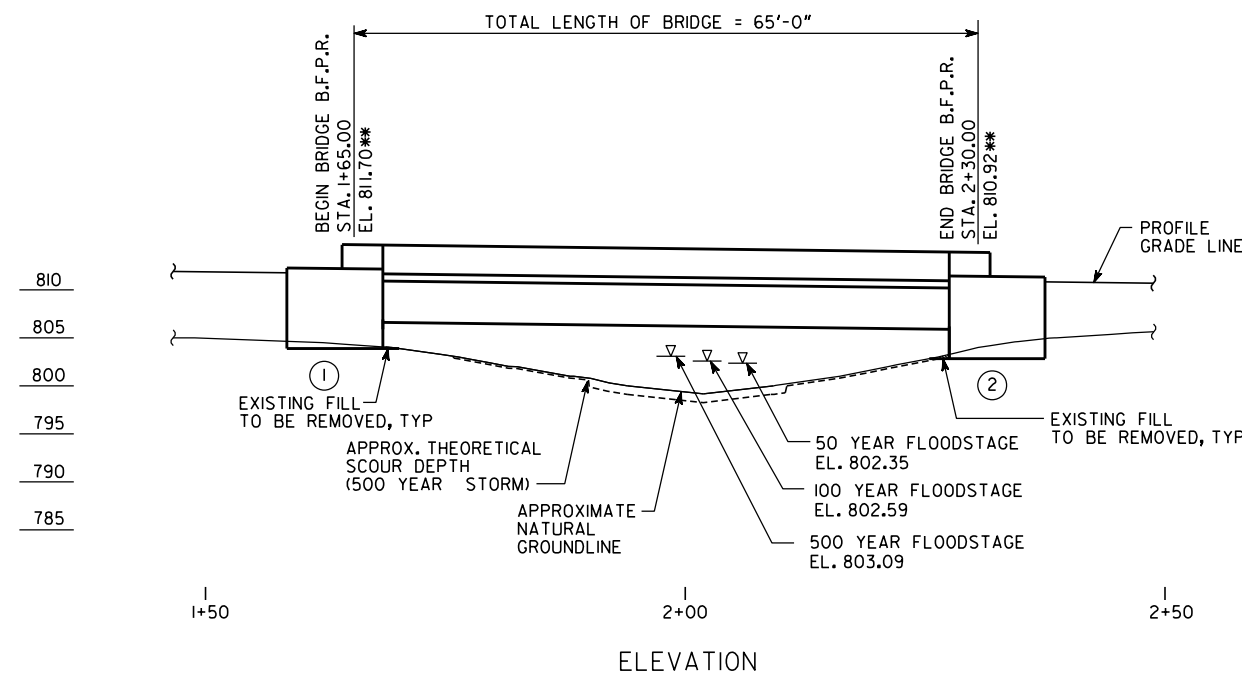
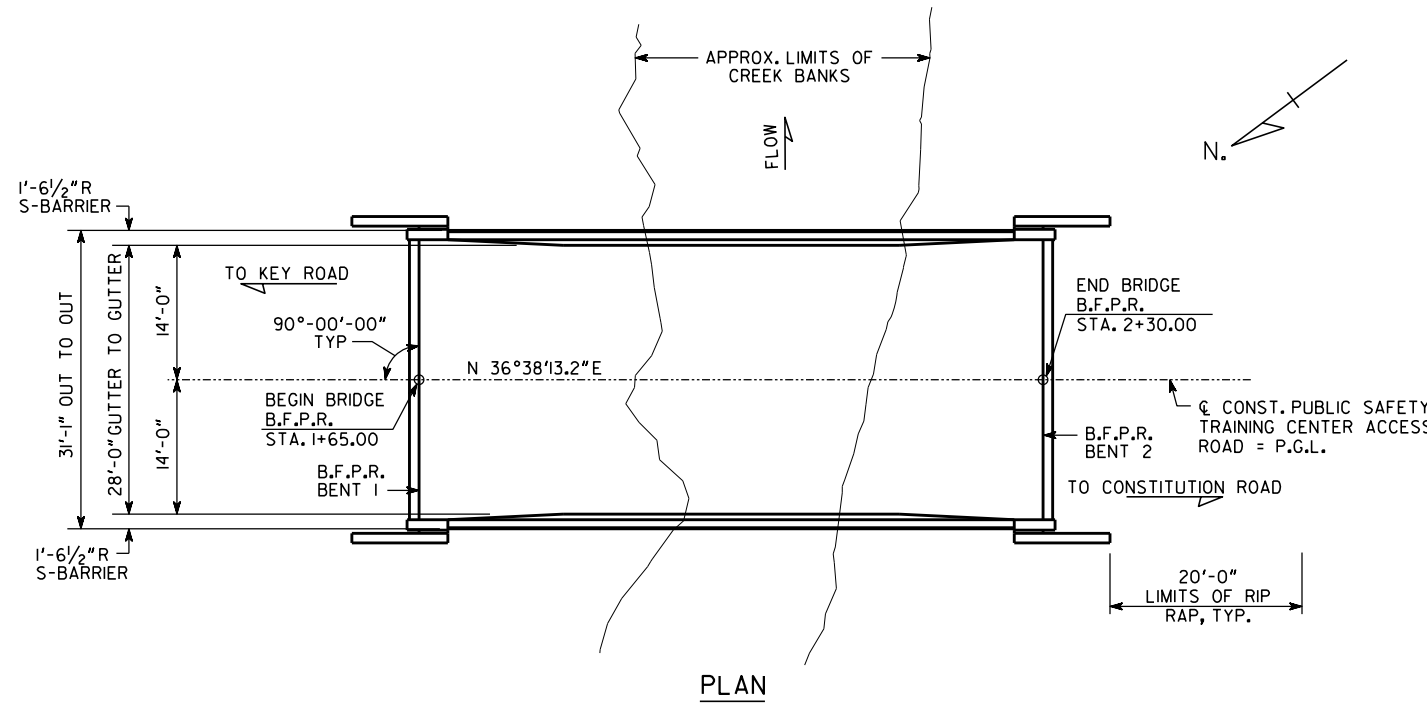
NONE

PROPOSED UTILITIES

- 3" DIA. SANITARY SEWER FORCE MAIN
- 12" DIA. WATER MAIN
- 6" DIA. WATER MAIN

NOTES:

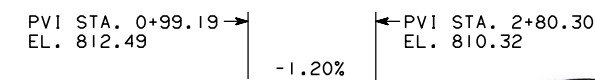
1. END BENT PILES NOT SHOWN.
2. CROSS-SLOPE - THE PROPOSED BRIDGE DECK TO BE BUILT ON A NORMAL CROWN OF 2.0%.
3. ALL BENTS ARE PARALLEL.
4. DECK DRAINS - TO BE PLACED AT 10 FOOT SPACING. ELIMINATE DECK DRAINS OVER ENDFILLS.
5. THE MINIMUM BOTTOM BEAM ELEVATION FOR THE PROPOSED BRIDGE SHALL BE NO LOWER THAN ELEVATION 804.35.
- \*\* 6. STATIONS AND ELEVATIONS ARE ALONG PROFILE GRADE LINE AT THE INTERSECTION OF PROFILE GRADE LINE AND B.F.P.R.



LOCATION	ELEVATION
BENT 1 LT.	803.67
BENT 1 RT.	803.67
BENT 2 LT.	802.89
BENT 2 RT.	802.89

\*\* NOTE: FOR BRIDGE ENROLL STAKING PURPOSES ONLY.

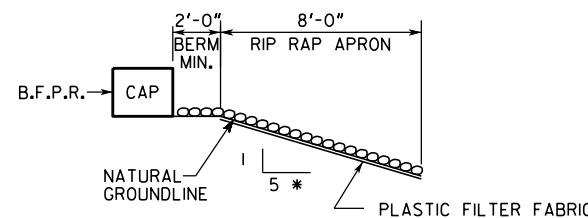
PROPOSED GRADE DATA



100 YEAR STORM			500 YEAR STORM		
LOB	CHANNEL	ROB	LOB	CHANNEL	ROB
0.1	0.7	0.2	0.2	0.9	0.2

NOTE: THE THEORETICAL 500 YEAR SCOUR IN THE CREEK IS 0.9 FEET.

PLACE RIP RAP AND FILTER FABRIC FROM 2 FT. BELOW ORIGINAL GROUND TO 2 FT. ABOVE FLOODSTAGE. EXTEND RIP RAP AND FILTER FABRIC 20 FT. BEYOND END OF WINGWALLS UNLESS OTHERWISE NOTED. WHERE BERM ELEVATION IS LOWER THAN 2 FT. ABOVE FLOODSTAGE, EXTEND RIP RAP AND FILTER FABRIC ACROSS BERM.



\* NATURAL GROUNDLINE VARIES



07-01-2022

BRIDGE SHEET 1 OF 1

DATE	REVISIONS



ATLANTA POLICE FOUNDATION

PRELIMINARY LAYOUT  
ATLANTA POLICE FOUNDATION CROSSING OVER INTRENCHMENT CREEK (TRIB 01)  
DEKALB COUNTY AP NO. 1245564

SCALE: 1" = 10'-0" (UNLESS NOTED OTHERWISE)

JUNE 2022